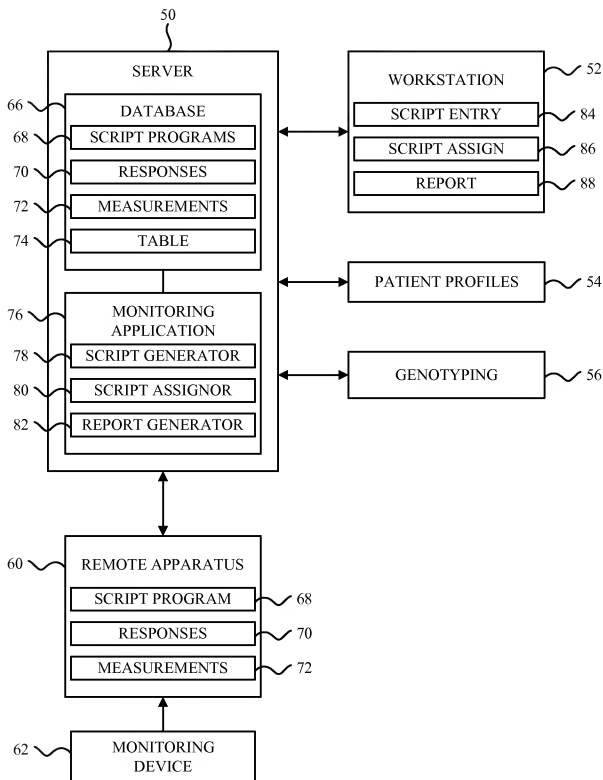
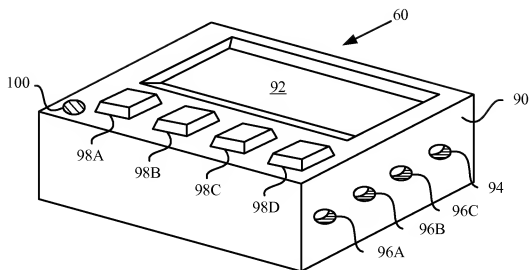
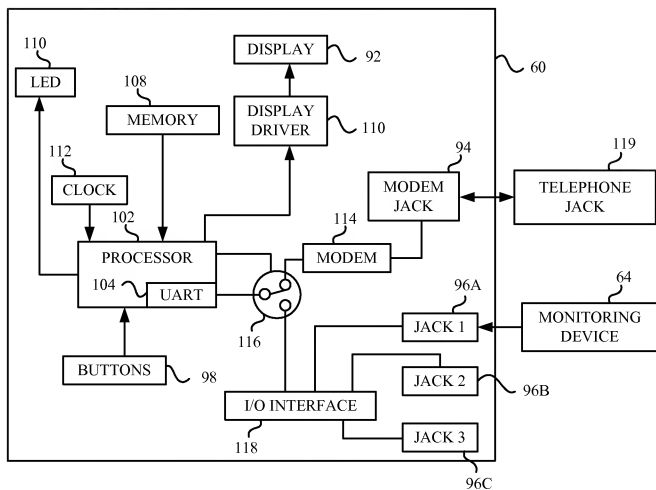
***Fig. 1***

***Fig. 2***

**Fig. 3****Fig. 4**

84

SCRIPT ENTRY SCREEN

SCRIPT NAME: NON-INSULIN DEP DIABETES MELLITUS SCRIPT 1 120

QUERIES	CHOICE 1	CHOICE 2	CHOICE 3	CHOICE 4
HOW OLD WERE YOU WHEN YOU WERE DIAGNOSED WITH NIDDM?	<20	20-30	30-40	>40
ARE YOU OVERWEIGHT?	YES	NO		
WHAT IS YOUR CHOLESTEROL LEVEL?	<200 mg/dL	200-250 mg/dL	250-300 mg/dL	>300 mg/dL
DO YOU SMOKE?	YES	NO		

122

124

SELECT DEVICE TYPE(S)

126 ☒ GLUCOSE METER ☐ RESPIRATORY FLOW METER ☐ BP CUFF

CONNECTION TIME: 03:00 ▾ 128

CREATE SCRIPT 130

CANCEL 132

Fig. 5

NUMBER: 9001 {LF}
LED: 1 {LF}
ZAP: {LF}
CLS: {LF}
DISPLAY: ANSWER QUERIES NOW?
PRESS ANY BUTTON TO START {LF}

WAIT: {LF}
CLS: {LF}
DISPLAY: HOW OLD WERE YOU WHEN YOU
WERE DIAGNOSED WITH NIDDM?
<20 20-30 30-40 >40 {LF}

INPUT: OOOO {LF}
CLS: {LF}
DISPLAY: ARE YOU OVERWEIGHT?
YES NO {LF}

INPUT: OOOO {LF}
CLS: {LF}
DISPLAY: WHAT IS YOUR CHOLESTEROL LEVEL?
 <200 200-250 250-300 >300
 mg/dL mg/dL mg/dL mg/dL {LF}

INPUT: OOOO {LF}
CLS: {LF}
DISPLAY: DO YOU SMOKE?
YES NO {LF}

Fig. 6A

INPUT: OOOO {LF}
CLS: {LF}
DISPLAY: CONNECT GLUCOSE METER
AND PRESS ANY BUTTON
WHEN FINISHED {LF}
WAIT: {LF}
CLS: {LF}
DISPLAY: COLLECTING MEASUREMENTS {LF}
COLLECT: GLUCOSE_METER {LF}
CLS: {LF}
DISPLAY: CONNECT APPARATUS TO
TELEPHONE JACK AND PRESS ANY
BUTTON WHEN FINISHED {LF}
WAIT: {LF}
LED: 0 {LF}
CLS: {LF}
DELAY: 03:00 {LF}
DISPLAY: CONNECTING TO SERVER {LF}
CONNECT: {LF}
{EOF}

Fig. 6B

86

SCRIPT ASSIGNMENT SCREEN

AVAILABLE SCRIPTS:

134 ☒ NIDDM SCRIPT 1

☐ NIDDM SCRIPT 2

☐ NIDDM SCRIPT 3

136 PATIENTS:

☒ NIDDM GROUP A

☐ NIDDM GROUP B

☐ NIDDM GROUP C

138 142

140

Fig. 7

92

WHAT IS YOUR CHOLESTEROL LEVEL?

<200	200-250	250-300	>300
mg/dL	mg/dL	mg/dL	mg/dL
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

98A 98B 98C 98D

Fig. 8

92

CONNECT GLUCOSE METER
AND PRESS ANY BUTTON
WHEN FINISHED

☐ ☐ ☐ ☐

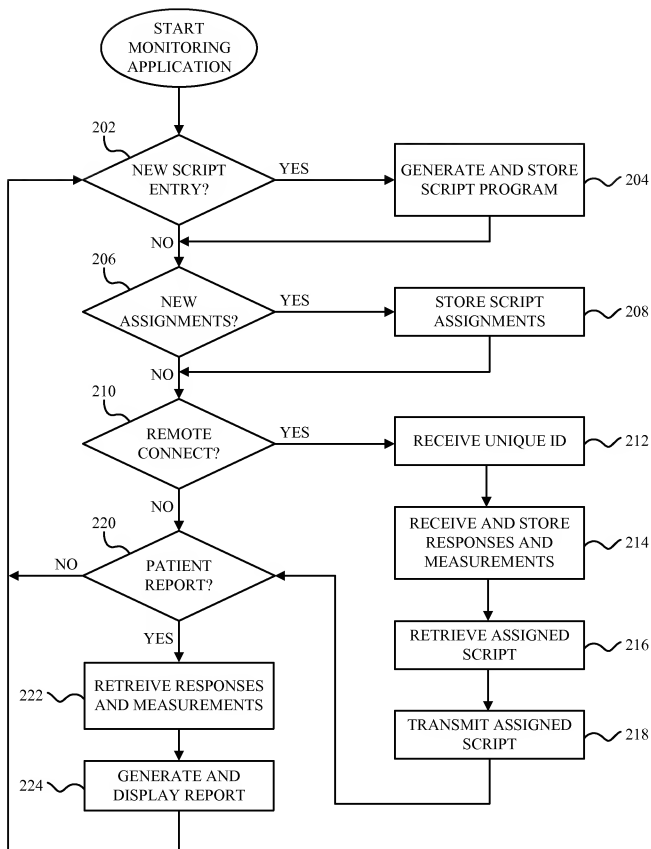
98A 98B 98C 98D

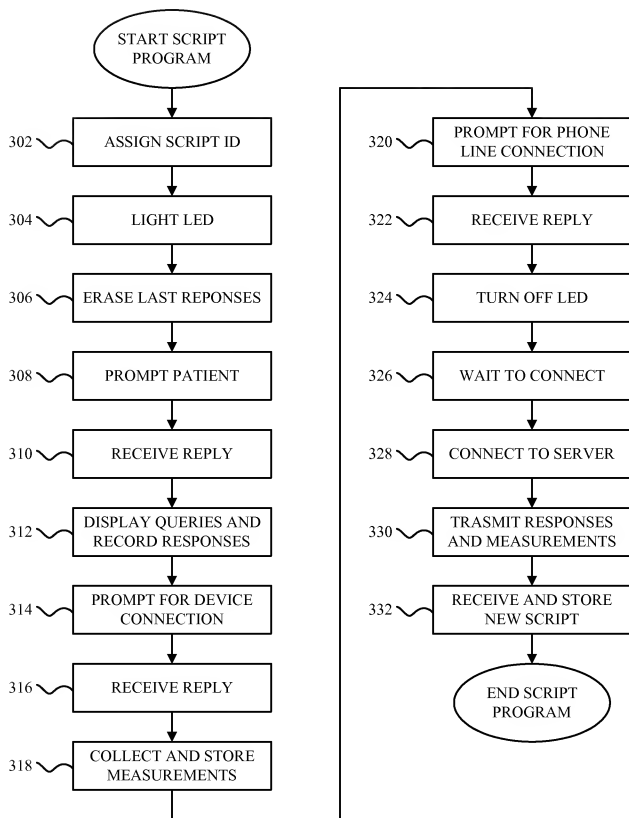
Fig. 9

88

PATIENT REPORT																													
PATIENT: <input type="text" value="LINDSEY, DAN"/>	DATE OF MEASUREMENT: <input type="text" value="MARCH 15, 1997"/>																												
<div>144</div> <div>QUERY RESPONSES</div> <div>HOW OLD WERE YOU WHEN YOU WERE DIAGNOSED WITH NIDDM? <input type="text" value="30-40"/></div> <div>ARE YOU OVERWEIGHT? <input type="text" value="YES"/></div> <div>WHAT IS YOUR CHOLESTEROL LEVEL? <input type="text" value="250-300 mg/dL"/></div> <div>DO YOU SMOKE? <input type="text" value="NO"/></div>	<div>146</div> <div><table border="1"><caption>Estimated Blood Glucose Levels (MG/DL) over 24 Hours</caption><thead><tr><th>Hours</th><th>MG/DL</th></tr></thead><tbody><tr><td>0</td><td>120</td></tr><tr><td>2</td><td>120</td></tr><tr><td>4</td><td>120</td></tr><tr><td>6</td><td>135</td></tr><tr><td>8</td><td>120</td></tr><tr><td>10</td><td>145</td></tr><tr><td>12</td><td>120</td></tr><tr><td>14</td><td>115</td></tr><tr><td>16</td><td>120</td></tr><tr><td>18</td><td>105</td></tr><tr><td>20</td><td>120</td></tr><tr><td>22</td><td>85</td></tr><tr><td>24</td><td>120</td></tr></tbody></table></div>	Hours	MG/DL	0	120	2	120	4	120	6	135	8	120	10	145	12	120	14	115	16	120	18	105	20	120	22	85	24	120
Hours	MG/DL																												
0	120																												
2	120																												
4	120																												
6	135																												
8	120																												
10	145																												
12	120																												
14	115																												
16	120																												
18	105																												
20	120																												
22	85																												
24	120																												

Fig. 10

***Fig. 11***

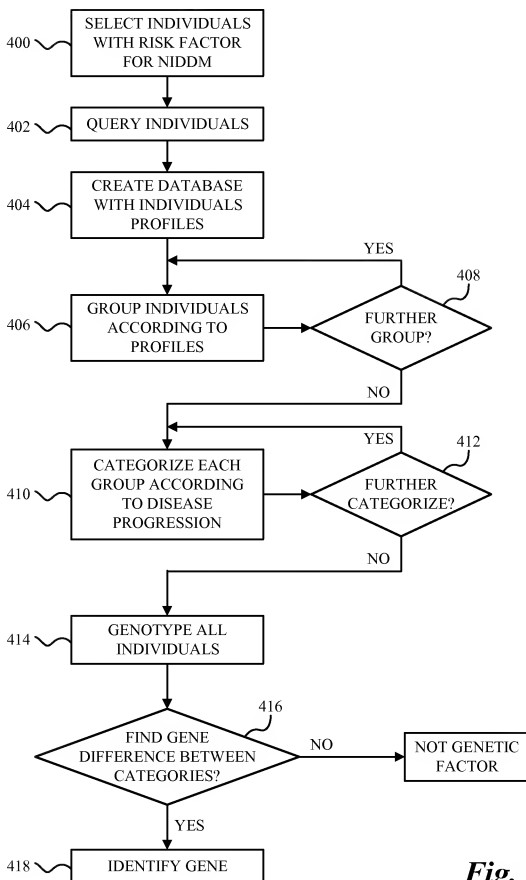
**Fig. 12**

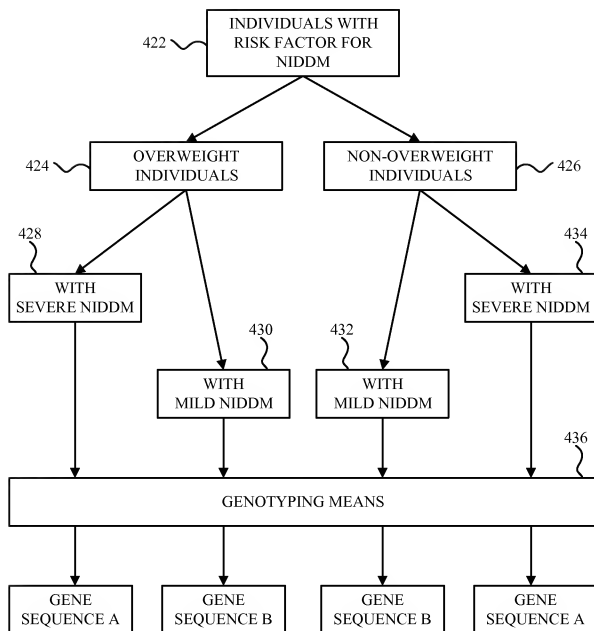
NIDDM DATA TABLE <u>150</u>		
INDIVIDUAL NO: _____ <u>151</u>		
<u>152</u> NAME FIELD	<u>154</u> VALUE FIELD	<u>156</u> EXPLANATION
AGE WHEN DIAGNOSED WITH NIDDM?	<20 = 0 20-30 = 25 30-40 = 50 >40 = 100	TO DETERMINE IF CONDITION IS CAUSED BY AGE
OVERWEIGHT OR NON-OVERWEIGHT?	OVERWT = 50 NONOVERWT =0	TO DETERMINE IF CONDITION IS CAUSED BY WEIGHT
CHOLESTEROL LEVEL?	<200 = 0 200-250 = 25 250-300 = 50 >300 = 100	TO DETERMINE IF CONDITION IS CAUSED BY CHOLESTEROL LEVEL
SMOKING OR NON-SMOKING?	SMOKING = 50 NON-SMOKING = 0	TO DETERMINE IF CONDITION IS CAUSED BY NICOTINE

Fig. 13

NIDDM DATA TABLE <u>150</u>		
INDIVIDUAL NO: 64025 <u>151</u>		
<u>152</u> NAME FIELD	<u>154</u> VALUE FIELD	<u>156</u> EXPLANATION
AGE WHEN DIAGNOSED WITH NIDDM?	35-40 = 50	TO DETERMINE IF CONDITION IS CAUSED BY AGE
OVERWEIGHT OR NON-OVERWEIGHT?	OVERWT = 50	TO DETERMINE IF CONDITION IS CAUSED BY WEIGHT
CHOLESTEROL LEVEL?	250-300 = 50	TO DETERMINE IF CONDITION IS CAUSED BY CHOLESTEROL LEVEL
SMOKING OR NON-SMOKING?	NON-SMOKING = 0	TO DETERMINE IF CONDITION IS CAUSED BY NICOTINE

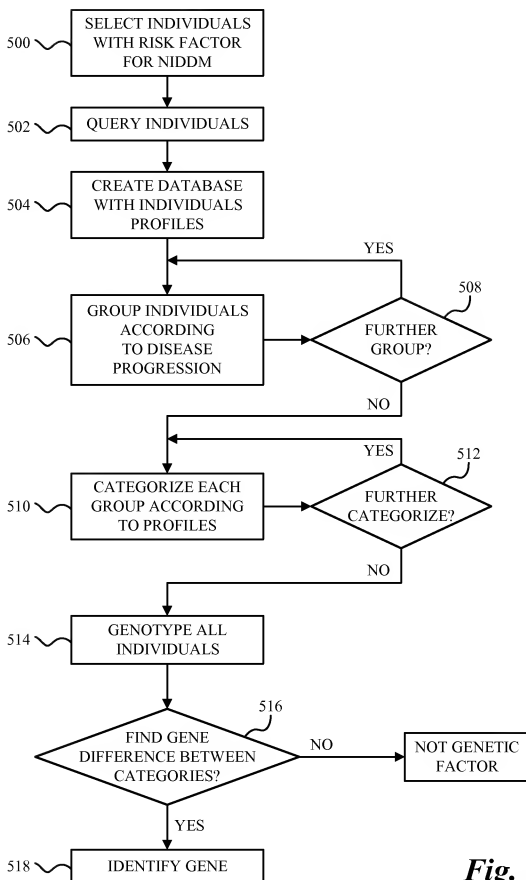
Fig. 14

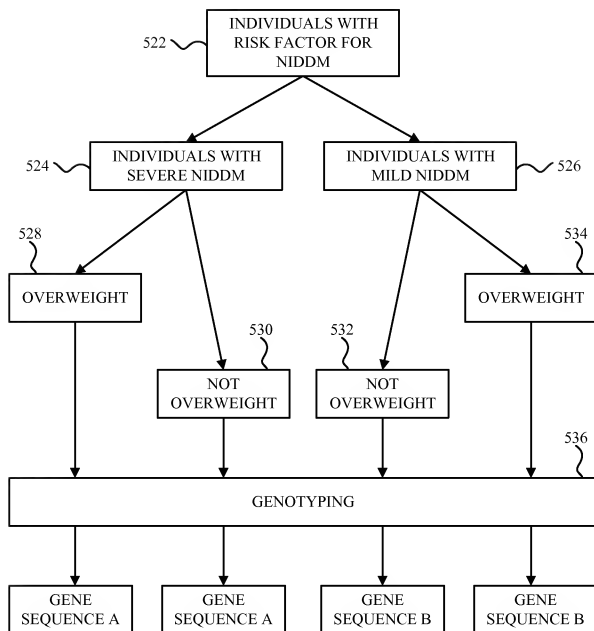
***Fig. 15***



CONCLUDE: NIDDM NOT RELATED TO
WEIGHT, LIKELY RELATED
TO GENE SEQUENCE A

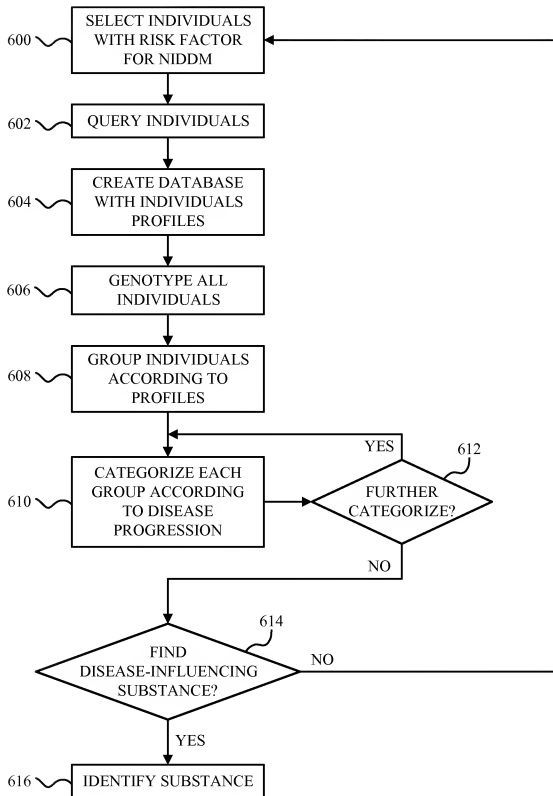
Fig. 16

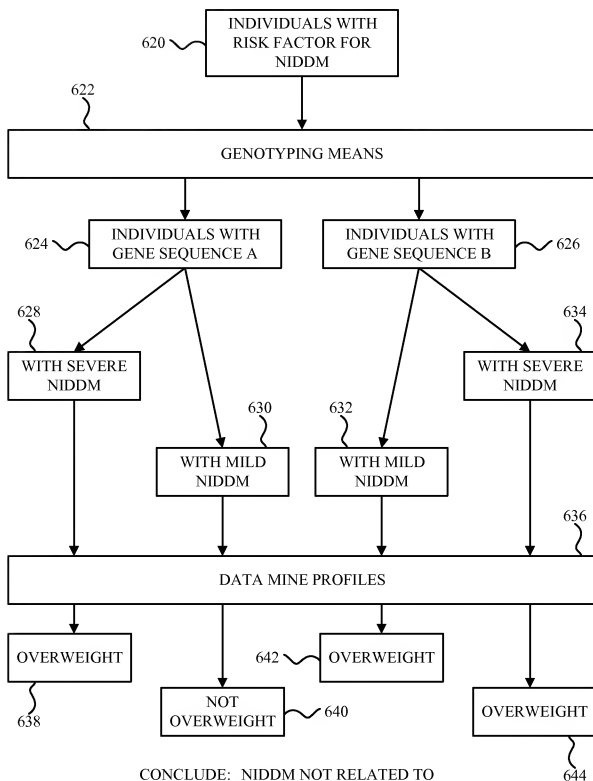
***Fig. 17***



CONCLUDE: NIDDM NOT RELATED TO
WEIGHT, LIKELY RELATED
TO GENE SEQUENCE A

Fig. 18

***Fig. 19***

***Fig. 20***